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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Bicycle Promotion Institute (JBPI)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS D 9417 : 2004**), which has been technically revised.

However, **JIS D 9417 : 2004** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 September 2021.

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# Bicycle — Chains

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 9633** : 2001, Edition 2, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies the requirements for the chains to be used for bicycles for general use, bicycles for young children and electric power assisted bicycles mainly specified in **JIS D 9111** (hereafter referred to as chains).

**NOTE** The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 9633 : 2001 *Cycle chains — Characteristics and test methods* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS D 9111 *Cycle chains — Classification, terminology and essential characteristics*

JIS Z 2244-1 *Vickers hardness test — Part 1 : Test method*

JIS Z 2245 *Rockwell hardness test — Test method*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS D 9111** apply.

## 4 Classification

Chains are classified according to the pitch and the width between inner plates as shown in Table 1.